

File Management



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Overview



Coming Up

- Directly supplying data to dynamic functions
- Restricting file uploads
- File type validation (whitelisting)
- Detect file MIME type
- File uploads
- *NIX-based safety mechanisms
- Hands-on demo
- Reads file content
- File handling is an ongoing practice





Best Practices

- Reduced risk as a compiled language
- Utilize “DetectContentType” to detect file MIME type
- Store uploaded files securely
- *NIX-based safety mechanisms
- Protection against malicious code execution
- Secure dynamic redirects
- Appropriate server permissions
- Virus and malware scanning
- Perform regular audits and updates

Demo



Computing and Validating Files



Summary



File Management

- Prevent direct data to dynamic functions
- Restrict file uploads to authenticated users
- Implement file type validation (whitelisting)
- Store uploaded files securely externally
- Enhance *NIX servers' isolation, access
- Utilize secure dynamic redirects, permissions
- Scan uploaded files for malware
- Enhance file management processes
- Regular security audits and updates necessary

